

Abstract

A slag cement mixture and process of making the same is disclosed. The slag cement mixture is composed of cupola slag and portland cement. The cupola slag is optionally ground granulated. One embodiment of the process includes rapidly quenching the slag by submersion 5 into water or by spraying water onto it, and grinding the resulting product to achieve a fineness of at least 6,000 cm²/g. The process also includes the addition of 35% ground granulated cupola slag to portland cement to achieve a stronger and harder cement than portland cement alone.